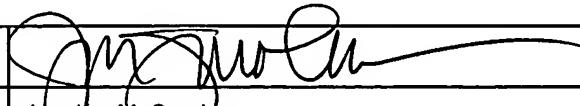


JRW

O P E TRANSMITTAL FORM APR 21 2005 <small>(to be used for all correspondence after initial filing)</small>		Application Number	10/801,078
		Filing Date	March 15, 2004
		First Named Inventor	Palczewski, Krzysztof
		Art Unit	1614
		Examiner Name	Unassigned
Total Number of Pages in This Submission	1	Attorney Docket Number	016336-002020US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Power of Attorney (two); Statement under 37 CFR 3.73(b), with assignment document attached (two); Return Postcard
<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <input type="checkbox"/> Remarks </div> <div style="flex: 2;"> The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. </div> </div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Townsend and Townsend and Crew LLP		
Signature			
Printed name	Nicholas V. Sherbina		
Date	April 19, 2005	Reg. No.	54,443

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Jennifer M. Smolen	Date	April 19, 2005



**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	10/801,078
Filing Date	March 15, 2004
First Named Inventor	Krzysztof Palczewski et al.
Title	STABILIZED MUTANT OPSIN PROTEINS
Art Unit	1614
Examiner Name	Unassigned
Attorney Docket Number	16336-002020US

I hereby appoint:

Practitioners associated with the Customer Number

20350

OR

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

The address associated with the above-mentioned Customer Number:

OR

The address associated with Customer Number:

--

OR

Firm or Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name Fiona L. Wills, Technology Manager

Signature

Date April 5, 2005

Telephone

(206) 543-3970

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

*Total of _____ forms are submitted.

Attorney Docket No. 16336-002020US

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Krzysztof Palczewski and Vladimir Kuksa

Application No./Patent No.: 10/801,078 Filed/Issue Date: March 15, 2004

Entitled: STABILIZED MUTANT OPSIN PROTEINS

University of Washington, a university
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.

The extent (by, percentage) of its ownership interest is ____ %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015627, Frame 0798, or for which a copy thereof is attached.**OR**B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To : _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To : _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To : _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

April 5, 2005

Date

(206) 543-3970

Telephone number

Fiona L. Willis

Typed or printed name

Signature

Technology Manager

Title

Attorney Docket No.: 016336-002020US
Client Ref. No.: 2556-3751-5002PT

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Krzysztof Palczewski of 3624 - 113th Ave. N.E., Bellevue, WA 98004; and Vladimir Kuksa of 5017 15th Ave. N.E., Apt. 101, Seattle, WA 98105; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **STABILIZED MUTANT OPSIN PROTEINS**

Date(s) of execution of Declaration:

Filing Date: **March 15, 2004**

Application No.: **10/801,078** ; and

WHEREAS, University of Washington, a corporation of the state of Washington, located at UW TechTransfer - Invention Licensing, 4311 - 11th Avenue N.E., Suite 500, Campus Box 354990, Seattle, WA 98105-4608, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: May 11 2009

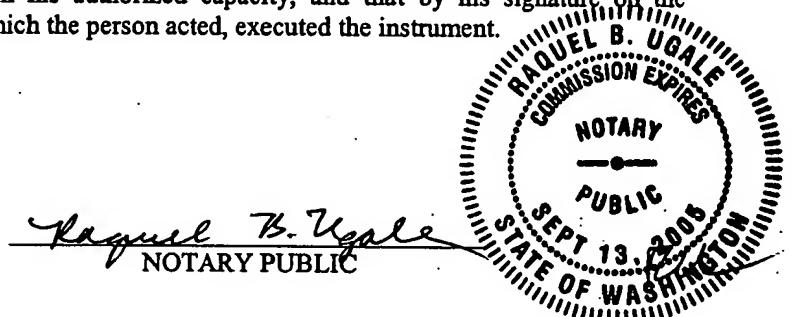
KPee
Krzysztof Palczewski

Assignment
Attorney Docket No.: 016336-002020US
Page 2

STATE OF WASHINGTON)
)
COUNTY OF KING)

On MAY 11, 2004, before me, _____,
personally appeared Krzysztof Palczewski, personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he executed the same in his authorized capacity, and that by his signature, on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



My Commission Expires: 9/13/2005

Dated: _____

Vladimir Kuksa

STATE OF WASHINGTON)
)
COUNTY OF KING)

On _____, before me, _____,
personally appeared Vladimir Kuksa, personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

Assignment
Attorney Docket No.: 016336-002020US
Page 2

STATE OF WASHINGTON)
)
COUNTY OF KING)

On _____, before me, _____,
personally appeared Krzysztof Palczewski, personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

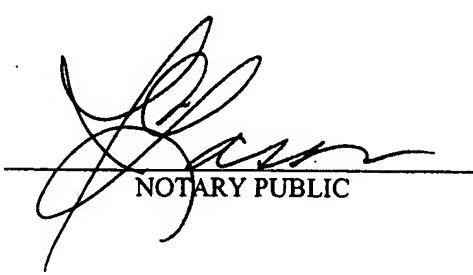
Dated: 05/06/04

Kyley
Vladimir Kuksa

STATE OF WASHINGTON)
)
COUNTY OF KING)

On May 6, 2006, before me, Yvonne Lasser,
personally appeared Vladimir Kuksa, personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



NOTARY PUBLIC

My Commission Expires: 12/07



**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	10/801,078
Filing Date	March 15, 2004
First Named Inventor	Krzysztof Palczewski et al.
Title	STABILIZED MUTANT OPSIN PROTEINS
Art Unit	1614
Examiner Name	Unassigned
Attorney Docket Number	16336-002020US

I hereby appoint:

Practitioners associated with the Customer Number

20350

OR

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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The address associated with the above-mentioned Customer Number:

OR

The address associated with Customer Number:

--

OR

Firm or Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Anthony L. Strauss, Acting Assistant VP		
Signature			
Date	3-21-05	Telephone	612-624-0550
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.			
<input type="checkbox"/> *Total of _____ forms are submitted.			

60267330 v1

Attorney Docket No. 16336-002020US

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Shalesh Kaushal and Syed M. Noorwez

Application No./Patent No.: 10/801,078 Filed/Issue Date: March 15, 2004

Entitled: STABILIZED MUTANT OPSIN PROTEINS

Regents of the University of Minnesota, a university

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is ____ %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015627, Frame 0798, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To : _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To : _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To : _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

3-21-05

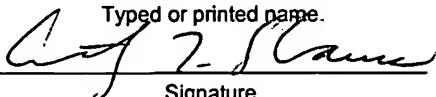
Date

Anthony L. Strauss

Typed or printed name

612-624-0550

Telephone number



Signature

Acting Assistant Vice President

Title

Attorney Docket No.: 016336-002020US
UW Ref. No.: 2556-3751-5002PT
UM Invention Docket No.: Z01193

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Shalesh Kaushal of 6205 NW 81st Dr. Gainesville, FL, and Syed M. Noorwez of 3461 SW 2nd Ave #252, Gainesville, FL, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: STABILIZED MUTANT OPSIN PROTEINS

Date(s) of execution of Declaration:

Filing Date: March 15, 2004

Application No.: 10/801,078 ; and

WHEREAS, Regents of the University of Minnesota, a corporation of the state of Minnesota, located at Regents of the University of Minnesota, 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer; and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee; or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 7/14/04

Shalesh Kaushal

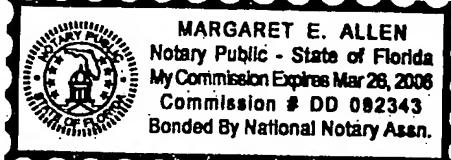
Shalesh Kaushal

Assignment
Attorney Docket No.: 016336-002020US
Page 2

FLORIDA
STATE OF MINNESOTA)
COUNTY OF ALACHUA.) ss.

On 7-14-04, before me,
personally appeared Shalesh Kaushal, personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on
the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



M. Elaine Allen
NOTARY PUBLIC

My Commission Expires: 3-26-06

Dated: 07/14/04

S. M. Noorwez
Syed M. Noorwez

FLORIDA
STATE OF MINNESOTA)
COUNTY OF ALACHUA.) ss.

On 7-14-04, before me,
personally appeared Syed M. Noorwez, personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



M. Elaine Allen
NOTARY PUBLIC

My Commission Expires: 3-26-06